

Exhibit A
Application No.: 08/834,497
Claims as Pending After Entry of the Instant Amendment

- 92) (New) A plasmid comprising a nucleic acid sequence selected from the group consisting of:
- (a) the nucleic acid sequence of SEQ ID NO:1,
 - (b) the nucleic acid sequence of SEQ ID NO:3,
 - (c) the nucleic acid sequence of SEQ ID NO:5,
 - (d) the nucleic acid sequence of SEQ ID NO:7,
 - (e) the nucleic acid sequence of SEQ ID NO:9,
 - (f) the nucleic acid sequence of SEQ ID NO:10,
 - (g) the nucleic acid sequence of SEQ ID NO:11, and
 - (h) the nucleic acid sequence of SEQ ID NO:12.
- 93) (New) The plasmid of Claim 92 wherein said plasmid is an expression vector.
- 94) (New) The plasmid of Claim 93 wherein said expression vector is a viral vector.
- 95) (New) The plasmid of Claim 94 wherein said viral vector is a gene therapy vector.
- 96) (New) The plasmid of Claim 93 wherein said expression vector is a bacterial expression vector.
- 97) (New) A plasmid comprising a nucleic acid sequence encoding a polypeptide sequence selected from the group consisting of:
- (a) the polypeptide sequence of SEQ ID NO:2,
 - (b) the polypeptide sequence of SEQ ID NO:4,
 - (c) the polypeptide sequence of SEQ ID NO:6, and
 - (d) the polypeptide sequence of SEQ ID NO:8.
- 98) (New) The plasmid of Claim 97 wherein said plasmid is an expression vector.
- 99) (New) The plasmid of Claim 98 wherein said expression vector is a viral vector.
- 100) (New) The plasmid of Claim 99 wherein said viral vector is a gene therapy vector.
- 101) (New) The plasmid of Claim 98 wherein said expression vector is a bacterial expression vector.
- 102) (New) A plasmid comprising an oligonucleotide of at least 8 consecutive nucleotides selected from a sequence unique to SEQ ID NO:1, 3, 5 or 7 or the complement of SEQ ID NO:1, 3, 5 or 7.
- 103) (New) The plasmid of Claim 102 comprising an oligonucleotide of at least 9 consecutive nucleotides selected from a sequence unique to SEQ ID NO:1, 3, 5 or 7 or the complement of SEQ ID NO:1, 3, 5 or 7.

104) (New) The plasmid of Claim 102 comprising an oligonucleotide of at least 10 consecutive nucleotides selected from a sequence unique to SEQ ID NO:1, 3, 5 or 7 or the complement of SEQ ID NO:1, 3, 5 or 7.

105) (New) The plasmid of Claim 102 comprising an oligonucleotide of at least 11 consecutive nucleotides selected from a sequence unique to SEQ ID NO:1, 3, 5 or 7 or the complement of SEQ ID NO:1, 3, 5 or 7.

106) (New) The plasmid of Claim 102 comprising an oligonucleotide of at least 12 consecutive nucleotides selected from a sequence unique to SEQ ID NO:1, 3, 5 or 7 or the complement of SEQ ID NO:1, 3, 5 or 7.

107) (New) The plasmid of Claim 102 comprising an oligonucleotide of at least 13 consecutive nucleotides selected from a sequence unique to SEQ ID NO:1, 3, 5 or 7 or the complement of SEQ ID NO:1, 3, 5 or 7.

108) (New) The plasmid of Claim 102 comprising an oligonucleotide of at least 14 consecutive nucleotides selected from a sequence unique to SEQ ID NO:1, 3, 5 or 7 or the complement of SEQ ID NO:1, 3, 5 or 7.

109) (New) The plasmid of Claim 102 comprising an oligonucleotide of at least 15 consecutive nucleotides selected from a sequence unique to SEQ ID NO:1, 3, 5 or 7 or the complement of SEQ ID NO:1, 3, 5 or 7.

110) (New) The plasmid of Claim 102 comprising an oligonucleotide of at least 16 consecutive nucleotides selected from a sequence unique to SEQ ID NO:1, 3, 5 or 7 or the complement of SEQ ID NO:1, 3, 5 or 7.

111) (New) The plasmid of Claim 102 comprising an oligonucleotide of at least 17 consecutive nucleotides selected from a sequence unique to SEQ ID NO:1, 3, 5 or 7 or the complement of SEQ ID NO:1, 3, 5 or 7.

112) (New) The plasmid of Claim 102 comprising an oligonucleotide of at least 18 consecutive nucleotides selected from a sequence unique to SEQ ID NO:1, 3, 5 or 7 or the complement of SEQ ID NO:1, 3, 5 or 7.

113) (New) A plasmid comprising an oligonucleotide of at least 8 consecutive nucleotides selected from a sequence unique to SEQ ID NO:9, 10, 11 or 12 or the complement of SEQ ID NO:9, 10, 11 or 12.

114) (New) The plasmid of Claim 113 comprising an oligonucleotide of at least 9 consecutive nucleotides selected from a sequence unique to SEQ ID NO:9, 10, 11 or 12 or the complement of SEQ ID NO:9, 10, 11 or 12.

115) (New) The plasmid of Claim 113 comprising an oligonucleotide of at least 10 consecutive nucleotides selected from a sequence unique to SEQ ID NO:9, 10, 11 or 12 or the complement of SEQ ID NO:9, 10, 11 or 12.

- 116) (New) The plasmid of Claim 113 comprising an oligonucleotide of at least 11 consecutive nucleotides selected from a sequence unique to SEQ ID NO:9, 10, 11 or 12 the complement of SEQ ID NO:9, 10, 11 or 12.
- 117) (New) The plasmid of Claim 113 comprising an oligonucleotide of at least 12 consecutive nucleotides selected from a sequence unique to SEQ ID NO:9, 10, 11 or 12 the complement of SEQ ID NO:9, 10, 11 or 12.
- 118) (New) The plasmid of Claim 113 comprising an oligonucleotide of at least 13 consecutive nucleotides selected from a sequence unique to SEQ ID NO:9, 10, 11 or 12 the complement of SEQ ID NO:9, 10, 11 or 12.
- 119) (New) The plasmid of Claim 113 comprising an oligonucleotide of at least 14 consecutive nucleotides selected from a sequence unique to SEQ ID NO:9, 10, 11 or 12 the complement of SEQ ID NO:9, 10, 11 or 12.
- 120) (New) The plasmid of Claim 113 comprising an oligonucleotide of at least 15 consecutive nucleotides selected from a sequence unique to SEQ ID NO:9, 10, 11 or 12 the complement of SEQ ID NO:9, 10, 11 or 12.
- 121) (New) The plasmid of Claim 113 comprising an oligonucleotide of at least 16 consecutive nucleotides selected from a sequence unique to SEQ ID NO:9, 10, 11 or 12 the complement of SEQ ID NO:9, 10, 11 or 12.
- 122) (New) The plasmid of Claim 113 comprising an oligonucleotide of at least 17 consecutive nucleotides selected from a sequence unique to SEQ ID NO:9, 10, 11 or 12 the complement of SEQ ID NO:9, 10, 11 or 12.
- 123) (New) The plasmid of Claim 113 comprising an oligonucleotide of at least 18 consecutive nucleotides selected from a sequence unique to SEQ ID NO:9, 10, 11 or 12 the complement of SEQ ID NO:9, 10, 11 or 12.
- 124) (New) A cell comprising the expression plasmid of Claim 93 or 98.
- 125) (New) The cell of Claim 124 wherein said cell is a prokaryotic cell.
- 126) (New) The cell of Claim 125 wherein said prokaryotic cell is a *Escherichia coli* cell.
- 127) (New) The cell of Claim 124 wherein the cell is a eukaryotic cell.
- 128) (New) The cell of Claim 127 wherein the eukaryotic cell is a yeast cell.
- 129) (New) The cell of Claim 127 wherein the eukaryotic cell is an insect cell.
- 130) (New) The cell of Claim 127 wherein the eukaryotic cell is a vertebrate cell.
- 131) (New) The cell of Claim 130 wherein the vertebrate cell is a mammalian cell.

- 132) (New) The cell of Claim 131 wherein the mammalian cell is a rodent cell.
- 133) (New) The cell of Claim 132 wherein the rodent cell is a mouse cell.
- 134) (New) The cell of Claim 132 wherein the rodent cell is a rat cell.
- 135) (New) The cell of Claim 131 wherein the mammalian cell is a primate cell.
- 136) (New) The cell of Claim 135 wherein the primate cell is a monkey cell.
- 137) (New) The cell of Claim 135 wherein the primate cell is a human cell.